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| 1 | US 20070047678 A1 | 20070301 | 37 | Method and system for combined polarimetric and coherent processing for a wireless system | 375/343 |
| 2 | US 20060291537 A1 | 20061228 | 42 | Time transfer utilizing ultra wideband signals | 375/145 |
| 3 | US 20060183454 A1 | 20060817 | 11 | Adaptive coherent RFID reader carrier cancellation | 455/296 |
| 4 | US 20060082445 A1 | 20060420 | 489 | Radio frequency data communications device | 340/10.4 |
| 5 | US 20060061453 A1 | 20060323 | 25 | System and method for locating individuals and equipment, airline reservation system, communication system | 340/10.6 |
| 6 | US 20060044183 A1 | 20060302 | 6 | Low frequency radar antenna | 342/148 |
| 7 | US 20060033607 A1 | 20060216 | 14 | System and method for sensitivity optimization of RF receiver using adaptive nulling | 340/10.1 |
| 8 | US 20050280372 A1 | 20051222 | 18 | Tunable plasma frequency devices | 315/111.21 |
| 9 | US 20050275585 A1 | 20051215 | 22 | Radar apparatus | 342/174 |
| 10 | US 20050261036 A1 | 20051124 | 15 | Portable type radio equipment | 455/572 |
| 11 | US 20050159187 A1 | 20050721 | 66 | Antenna system and method | 455/562.1 |
| 12 | US 20050156806 A1 | 20050721 | 90 | Radio communication system | 343/834 |
| 13 | US 20050110691 A1 | 20050526 | 38 | Configurable arrays for steerable antennas and wireless network incorporating the steerable antennas | 343/700M S |
| 14 | US 20050110674 A1 | 20050526 | 65 | Tracking apparatus, system and method | 342/81 |
| 15 | US 20050110641 A1 | 20050526 | 66 | RFID tag reading system and method | 340/572.7 |
| 16 | US 20050088314 A1 | 20050428 | 489 | Radio frequency data communications device | 340/825.36 |
| 17 | US 20050057432 A1 | 20050317 | 39 | CONFIGURABLE ARRAYS FOR STEERABLE ANTENNAS AND WIRELESS NETWORK INCORPORATING THE STEERABLE ANTENNAS | 343/909 |

| | Inventor |
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| 1 | Sibecas; Salvador et al. |
| 2 | Fullerton; Larry W. et al. |
| 3 | Al-Mahdawi; Tareef Ibrahim |
| 4 | O'Toole; James E. et al. |
| 5 | Tuttle; John R. |
| 6 | Wells; Donald R. |
| 7 | Bellantoni; John Vincent |
| 8 | Anderson, Theodore R. |
| 9 | Shima, Nobukazu et al. |
| 10 | Sekine, Shu-ichi et al. |
| 11 | Mendolia, Greg et al. |
| 12 | Ohta, Tomozo et al. |
| 13 | Anderson, Theodore R. |
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| 18 | US 20050042994 A1 | 20050224 | 38 | Radio apparatus | 455/180.3 |
| 19 | US 20040264592 A1 | 20041230 | 37 | Polarization state techniques for wireless communications | 375/267 |
| 20 | US 20040203466 A1 | 20041014 | 12 | Functionality test in a base transceiver station | 455/67.14 |
| 21 | US 20040201457 A1 | 20041014 | 490 | Radio frequency data communications device | 340/10.33 |
| 22 | US 20040196177 A1 | 20041007 | 31 | Method and system for calibration of a phase-based sensing system | 342/174 |
| 23 | US 20040087342 A1 | 20040506 | 9 | Transceiver unit with interference-reducing antenna | 455/562.1 |
| 24 | US 20030193997 A1 | 20031016 | 20 | System and method for adaptive antenna impedance matching | 375/219 |
| 25 | US 20030160724 A1 | 20030828 | 11 | Plasma filter antenna system | 343/701 |
| 26 | US 20030142004 A1 | 20030731 | 8 | Device for transmitting data in a motor vehicle | 342/42 |
| 27 | US 20030122685 A1 | 20030703 | 26 | System and method for locating individuals and equipment, airline reservation system, communication system | 340/825.49 |
| 28 | US 20030099210 A1 | 20030529 | 503 | RADIO FREQUENCY DATA COMMUNICATIONS DEVICE | 370/311 |
| 29 | US 20030090405 A1 | 20030515 | 13 | Spread spectrum radar with leak compensation at baseband | 342/21 |
| 30 | US 20030088180 A1 | 20030508 | 30 | Space-time microwave imaging for cancer detection | 600/430 |
| 31 | US 20030060227 A1 | 20030327 | 17 | Portable type radio equipment | 455/550.1 |
| 32 | US 20030043949 A1 | 20030306 | 3353 | Radio frequency data communications device | 375/374 |
| 33 | US 20020174153 A1 | 20021121 | 3354 | Radio frequency data communications device | 708/252 |
| 34 | US 20020122010 A1 | 20020905 | 37 | Electrically small planar UWB antenna apparatus and related system | 343/767 |

| | Inventor |
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| 18 | Otaka, Shoji et al. |
| 19 | Sibecas, Salvador et al. |
| 20 | Kiukkonen, Niko et al. |
| 21 | O'Toole, James E. et al. |
| 22 | Billington, Scott Alexander et al. |
| 23 | Fuenfgeld, Martin et al. |
| 24 | Dent, Paul W. et al. |
| 25 | Alexeff, Igor et al. |
| 26 | Gottwald, Frank et al. |
| 27 | Tuttle, John R. |
| 28 | O'TOOLE, JAMES E. et al. |
| 29 | Rauch, Sol et al. |
| 30 | Van Veen, Barry D. et al. |
| 31 | Sekine, Shu-ichi et al. |
| 32 | O'Toole, James E. et al. |
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| 35 | US 20020055345 A1 | 20020509 | 21 | Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system | 455/277.1 |
| 36 | US 20020053994 A1 | 20020509 | 21 | Planar ultra wide band antenna with integrated electronics | 343/824 |
| 37 | US 20020032009 A1 | 20020314 | 39 | Radio apparatus | 455/83 |
| 38 | US 20010050580 A1 | 20011213 | 501 | Radio frequency data communications device | 327/158 |
| 39 | US 20010016479 A1 | 20010823 | 21 | Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system | 455/277.1 |
| 40 | US 7187288 B2 | 20070306 | 65 | RFID tag reading system and method | 340/572.1 |
| 41 | US 7184738 B2 | 20070227 | 37 | Radio apparatus | 455/312 |
| 42 | US 7183922 B2 | 20070227 | 64 | Tracking apparatus, system and method | 340/572.1 |
| 43 | US 7170867 B2 | 20070130 | 55 | Radio frequency data communications device | 370/311 |
| 44 | US 7155216 B2 | 20061226 | 12 | Functionality test in a base transceiver station | 455/423 |
| 45 | US 7099662 B2 | 20060829 | 8 | Transceiver unit with interference-reducing antenna | 455/423 |
| 46 | US 7085306 B1 | 20060801 | 29 | System and method for a multi-frequency upstream channel in a computer network | 375/132 |
| 47 | US 7079043 B2 | 20060718 | 55 | Radio frequency data communications device | 340/825.36 |
| 48 | US 7030732 B2 | 20060418 | 25 | System and method for locating individuals and equipment, airline reservation system, communication system | 340/10.1 |
| 49 | US 6947513 B2 | 20050920 | 54 | Radio frequency data communications device | 375/374 |
| 50 | US 6934557 B2 | 20050823 | 16 | Portable type radio equipment | 455/550.1 |

| | Inventor |
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| 35 | Wood, Clifton W. JR. |
| 36 | McCorkle, John W. |
| 37 | Otaka, Shoji et al. |
| 38 | O'Toole, James E. et al. |
| 39 | Wood, Clifton W. JR. |
| 40 | Mendolia; Greg et al. |
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| 42 | Mendolia; Greg et al. |
| 43 | O'Toole; James E. et al. |
| 44 | Kiukkonen; Niko et al. |
| 45 | Fuenfgeld; Martin et al. |
| 46 | Voldman; Mikhail et al. |
| 47 | O'Toole; James E. et al. |
| 48 | Tuttle; John R. |
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| 51 | US 6914573 B1 | 20050705 | 35 | Electrically small planar UWB antenna apparatus and related system | 343/767 |
| 52 | US 6870517 B1 | 20050322 | 36 | Configurable arrays for steerable antennas and wireless network incorporating the steerable antennas | 343/909 |
| 53 | US 6856281 B2 | 20050215 | 29 | Method and system for calibration of a phase-based sensing system | 342/174 |
| 54 | US 6845126 B2 | 20050118 | 19 | System and method for adaptive antenna impedance matching | 375/219 |
| 55 | US 6842146 B2 | 20050111 | 11 | Plasma filter antenna system | 343/701 |
| 56 | US 6836472 B2 | 20041228 | 56 | Radio frequency data communications device | 370/335 |
| 57 | US 6836468 B1 | 20041228 | 59 | Radio frequency data communications device | 370/310 |
| 58 | US 6825773 B1 | 20041130 | 54 | Radio frequency data communications device | 340/825.72 |
| 59 | US 6816712 B2 | 20041109 | 37 | Radio apparatus | 455/83 |
| 60 | US 6801153 B2 | 20041005 | 13 | Spread spectrum radar with leak compensation at baseband | 342/21 |
| 61 | US 6774685 B2 | 20040810 | 58 | Radio frequency data communications device | 327/156 |
| 62 | US 6771613 B1 | 20040803 | 56 | Radio frequency data communications device | 370/277 |
| 63 | US 6744411 B1 | 20040601 | 12 | Electronically scanned antenna system, an electrically scanned antenna and an associated method of forming the same | 343/754 |
| 64 | US 6735183 B2 | 20040511 | 59 | Radio frequency data communications device | 370/311 |
| 65 | US 6721289 B1 | 20040413 | 57 | Radio frequency data communications device | 370/311 |
| 66 | US 6696879 B1 | 20040224 | 57 | Radio frequency data communications device | 327/356 |
| 67 | US 6693581 B2 | 20040217 | 9 | Device for transmitting data in a motor vehicle | 342/70 |
| 68 | US 6600428 B1 | 20030729 | 53 | Radio frequency data communications device | 340/825.36 |
| 69 | US 6590545 B2 | 20030708 | 37 | Electrically small planar UWB antenna apparatus and related system | 343/830 |

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| 51 | McCorkle; John W. |
| 52 | Anderson; Theodore R. |
| 53 | Billington; Scott Alexander et al. |
| 54 | Dent; Paul W. et al. |
| 55 | Alexeff; Igor et al. |
| 56 | O'Toole; James E. et al. |
| 57 | O'Toole; James E. et al. |
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| 61 | O'Toole; James E. et al. |
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| 63 | Osterhues; Gordon D. et al. |
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| 65 | O'Toole; James E. et al. |
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| 70 | US 6559810 B2 | 20030506 | 21 | Planar ultra wide band antenna with integrated electronics | 343/795 |
| 71 | US 6509836 B1 | 20030121 | 19 | Smart reflection antenna system and method | 340/572.4 |
| 72 | US 6509829 B1 | 20030121 | 26 | System and method for locating individuals and equipment, airline reservation system, communication system | 340/10.1 |
| 73 | US 6466771 B2 | 20021015 | 19 | Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system | 455/101 |
| 74 | US 6466634 B1 | 20021015 | 58 | Radio frequency data communications device | 375/374 |
| 75 | US 6396449 B1 | 20020528 | 10 | Layered electronically scanned antenna and method therefor | 343/754 |
| 76 | US 6384648 B1 | 20020507 | 3345 | Radio frequency data communications device | 327/156 |
| 77 | US 6351630 B1 | 20020226 | 23 | Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method, and backscatter radio frequency communications system | 455/101 |
| 78 | US 6351246 B1 | 20020226 | 23 | Planar ultra wide band antenna with integrated electronics | 343/795 |
| 79 | US 6351190 B1 | 20020226 | 3343 | Stage having controlled variable resistance load circuit for use in voltage controlled ring oscillator | 331/57 |
| 80 | US 6339711 B1 | 20020115 | 39 | Radio apparatus | 455/550.1 |
| 81 | US 6337634 B1 | 20020108 | 3336 | Radio frequency data communications device | 340/825.56 |
| 82 | US 6316975 B1 | 20011113 | 3343 | Radio frequency data communications device | 327/156 |
| 83 | US 6314440 B1 | 20011106 | 3339 | Pseudo random number generator | 708/250 |
| 84 | US 6311638 B1 | 20011106 | 15 | Plasma processing method and apparatus | 118/723M W |
| 85 | US 6310579 B1 | 20011030 | 9 | Method and apparatus for calibrating antenna apparatus and testing an antenna connected thereto | 343/703 |

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| 70 | McCorkle; John W. |
| 71 | Ingram; Mary A. |
| 72 | Tuttle; John R. |
| 73 | Wood, Jr.; Clifton W. |
| 74 | O'Toole; James E. et al. |
| 75 | Osterhues; Gordon D. et al. |
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| 77 | Wood, Jr.; Clifton W. |
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| 79 | O'Toole; James E. et al. |
| 80 | Otaka; Shoji et al. |
| 81 | O'Toole; James E. et al. |
| 82 | O'Toole; James E. et al. |
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| 84 | Ishii; Nobuo et al. |
| 85 | Meredith; Sheldon K. |

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| 86 | US 6289209 B1 | 20010911 | 20 | Wireless communication system, radio frequency communications system, wireless communications method, radio frequency communications method | 455/277.1 |
| 87 | US 6278698 B1 | 20010821 | 3337 | Radio frequency data communications device | 370/311 |
| 88 | US 6265963 B1 | 20010724 | 20 | Methods of processing wireless communication, methods of processing radio frequency communication, and related systems | 340/10.4 |
| 89 | US 6198357 B1 | 20010306 | 3328 | Stage having controlled variable resistance load circuit for use in voltage controlled ring oscillator | 331/57 |
| 90 | US 6198332 B1 | 20010306 | 3336 | Frequency doubler and method of doubling frequency | 327/356 |
| 91 | US 6157230 A | 20001205 | 3333 | Method for realizing an improved radio frequency detector for use in a radio frequency identification device, frequency lock loop, timing oscillator, method of constructing a frequency lock loop and method of operating an integrated circuit | 327/156 |
| 92 | US 6130602 A | 20001010 | 3335 | Radio frequency data communications device | 340/10.33 |
| 93 | US 6127917 A | 20001003 | 26 | System and method for locating individuals and equipment, airline reservation system, communication system | 340/10.1 |
| 94 | US 6104333 A | 20000815 | 19 | Methods of processing wireless communication, methods of processing radio frequency communication, and related systems | 341/173 |
| 95 | US 6023610 A | 20000208 | 21 | Communication system including diversity antenna queuing | 455/101 |
| 96 | US 5929802 A | 19990727 | 25 | Automotive forward looking sensor application | 342/70 |
| 97 | US 5923647 A | 19990713 | 7 | Circulator usage in time division duplex radios | 370/280 |
| 98 | US 5914671 A | 19990622 | 25 | System and method for locating individuals and equipment, airline reservation system, communication system | 340/10.42 |
| 99 | US 5842118 A | 19981124 | 20 | Communication system including diversity antenna queuing | 455/101 |

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| 86 | Wood, Jr.; Clifton W. |
| 87 | O'Toole; James E. et al. |
| 88 | Wood, Jr.; Clifton W. |
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| 91 | O'Toole; James E. et al. |
| 92 | O'Toole; James E. et al. |
| 93 | Tuttle; John R. |
| 94 | Wood, Jr.; Clifton W. |
| 95 | Wood, Jr.; Clifton W. |
| 96 | Russell; Mark E. et al. |
| 97 | Dolman; Rodney A. et al. |
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| 100 | US 5811972 A | 19980922 | 39 | Method and apparatus for determining influence of mutual magnetic coupling in electromagnetic propagation tools | 324/338 |
| 101 | US 5613219 A | 19970318 | 7 | Transceiver having plural antennas and adjusting the time delay of transmitted signals to match the time delay of received signals | 455/78 |
| 102 | US 5495252 A | 19960227 | 38 | Near range obstacle detection and ranging aid | 342/127 |
| 103 | US 5448244 A | 19950905 | 11 | Time-sharing radar system | 342/155 |
| 104 | US 5359331 A | 19941025 | 43 | Monostatic radar system having a one-port impedance matching device | 342/124 |
| 105 | US 5341814 A | 19940830 | 12 | Method for measuring the temperature of a material by using microwave radiation | 600/549 |
| 106 | US 5305469 A | 19940419 | 8 | Modem for telecommunication system with a reflection amplifier function | 455/78 |
| 107 | US 5305008 A | 19940419 | 29 | Transponder system | 342/44 |
| 108 | US 5302958 A | 19940412 | 16 | Low loss, fast switching, tunable filter circuit | 342/157 |
| 109 | US 5134715 A | 19920728 | 13 | Meteor scatter burst communications systems | 455/64 |
| 110 | US 4983976 A | 19910108 | 19 | Signal transmission system and method | 342/42 |
| 111 | US 4825214 A | 19890425 | 10 | Frequency-modulated continuous wave radar for range measuring | 342/128 |
| 112 | US 4806944 A | 19890221 | 19 | Switchable matching network for an element of a steerable antenna array | 343/745 |
| 113 | US 4796031 A | 19890103 | 11 | Radar system | 342/148 |
| 114 | US 4737788 A | 19880412 | 23 | Helicopter obstacle detector | 342/29 |
| 115 | US 4725842 A | 19880216 | 12 | Isolation apparatus for a continuous-wave radar system | 342/198 |
| 116 | US 4682176 A | 19870721 | 9 | Active matching transmit/receive module | 342/175 |
| 117 | US 4661817 A | 19870428 | 10 | Method and apparatus for measuring the distance to an object | 342/124 |
| 118 | US 4626856 A | 19861202 | 11 | Radar signal correction system | 342/174 |
| 119 | US 4491845 A | 19850101 | 7 | Wide angle phased array dome lens antenna with a reflection/transmission switch | 343/754 |

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| 100 | Thompson; Larry W. et al. |
| 101 | Vogel; Martin et al. |
| 102 | Adler; Zdenek |
| 103 | Komatsu; Satoru et al. |
| 104 | Adler; Zdenek |
| 105 | Van De Velde; Jean-Claude et al. |
| 106 | Camiade; Marc et al. |
| 107 | Turner; Leigh H. et al. |
| 108 | Roberts; Roger G. et al. |
| 109 | Parl; Steen A. et al. |
| 110 | Ogata; Akimitsu et al. |
| 111 | Dejaegher; Daniel |
| 112 | Jacomb-Hood; Anthony W. |
| 113 | Koki; Nakatsuka |
| 114 | Kennedy; Peter D. |
| 115 | Mayberry; Ted R. |
| 116 | Jones; Edward J. |
| 117 | Bekkadal; Fritz et al. |
| 118 | Pierson; Willis A. et al. |
| 119 | Rothenberg; Carl |

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| 120 | US 4315264 A | 19820209 | 15 | Circularly polarized antenna with circular arrays of slanted dipoles mounted around a conductive mast | 343/797 |
| 121 | US 4195296 A | 19800325 | 6 | Microwave circulator | 342/114 |
| 122 | US 4160248 A | 19790703 | 7 | Solid state pulsed coherent Doppler radar | 342/115 |
| 123 | US 4075555 A | 19780221 | 16 | Electronic phase comparison apparatus for the remote measurement of layer thickness | 324/644 |
| 124 | US 4063249 A | 19771213 | 7 | Small broadband antenna having polarization sensitive reflector system | 343/756 |
| 125 | US 3913012 A | 19751014 | 5 | Microwave moisture measuring system with reflection suppressing means | 324/640 |
| 126 | US 3842418 A | 19741015 | 7 | RADAR CROSS-SECTION MEASUREMENT APPARATUS | 342/200 |
| 127 | US 3831174 A | 19740820 | 105 | AUTOMATIC TARGET ACQUISITION IN MTI RADAR SYSTEM | 342/90 |
| 128 | US 3696430 A | 19721003 | 12 | HIGH GAIN TWO BAY UNIDIRECTIONAL BROADBAND ANTENNA | 343/792.5 |
| 129 | US 3611139 A | 19711005 | 7 | ORTHOGONAL MIXER F F REPEATER | 455/19 |
| 130 | US 3584293 A | 19710608 | 14 | ELEMENTS FOR STEERING THE BEAM OF HELICAL ANTENNA FOR USE IN A BOREHOLE PENETRATING AN EARTH FORMATION | 324/303 |
| 131 | JP 2002022820 A | 20020123 | 6 | SPACE-FEED PHASED ARRAY ANTENNA DEVICE | |
| 132 | JP 06268438 A | 19940922 | 5 | MULTIPLE REFLECTING MIRROR ANTENNA | |
| 133 | US 20050057432 A | 20050317 | 36 | Configurable array for steerable antennas, is configured to filter, polarize, deflect at non-backscattering angles, or phase shift incident electromagnetic wireless signal having frequency between 1 kHz and 1000 THz | |
| 134 | EP 258917 A | 19880309 | 10 | FM CW radar altimeter with phase-locked loop - has PLL cut-off set just below frequency of subtractive beat between echo and local oscillator signal | |

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| 120 | DuHamel; Raymond H. |
| 121 | Williams; John C. |
| 122 | Hubka; Theodore et al. |
| 123 | Wight; James S. et al. |
| 124 | Bergander; Armin et al. |
| 125 | Kujath; Klaus |
| 126 | Lorber; Herbert W. |
| 127 | King; Donald L. et al. |
| 128 | Cory; Terry S. et al. |
| 129 | George; Quintin H. |
| 130 | Iizuka; Keigo |
| 131 | TOKAJI, ISAO et al. |
| 132 | HIRABE, MASAJI |
| 133 | ANDERSON, T R |
| 134 | DEJAEGHER, D |